

WHAT IS CLAIMED IS:

1. A method for adjusting a focus bias in an optical disc drive, comprising the
5 steps of:

rotationally driving an optical disc in a state that only focus servo is engaged without
engaging tracking servo;

driving an actuator of an optical pick-up so that a laser beam projected from the
optical pick-up is moved in a tracking direction to obtain an HF signal; and

10 determining a focus bias by which a proper focusing point can be obtained based on
the HF signal.

2. The method for adjusting a focus bias in an optical disc drive as claimed in
claim 1, wherein the driving of the actuator is carried out by supplying an actuator drive
15 control signal to a tracking actuator of the optical pick-up in a state that tracking servo is not
engaged.

3. The method for adjusting a focus bias in an optical disc drive as claimed in
claim 1, wherein the actuator drive control signal includes a signal which applies a drive
20 voltage in the form of a pulse wave or a sinusoidal wave to the tracking actuator.

4. The method for adjusting a focus bias in an optical disc drive as claimed in
claim 1, wherein the focus bias value is determined based on a signal obtained by passing the
HF signal into a peak/bottom holding circuit.

25 5. The method for adjusting a focus bias in an optical disc drive as claimed in
claim 1, wherein the adjustment of the focus bias is carried out every time upon an optical
disc is loaded into the optical disc drive.

30 6. An optical disc drive equipped with a circuit by which the method described in
any one of claims 1 to 5 can be implemented.